

Web-based product to synthesize and share best practices in developing EO applications



- Audiences: emerging applied scientists, basic research scientists considering applied work, PIs new to NASA
- <u>Format</u>: mixes interactive, e-learning approaches
- Sources: desk review, survey, 30 interviews and 2 design consultations – so far!
- <u>Content</u>: diverse representation of ASP program areas, geographies and PIs
- Timing: launch in late November



Main sections of the guidebook



EARTH SCIENCE APPLICATIONS GUIDEBOOK

This guidebook explores the many ways that people use satellite data to make decisions about water, land, agriculture, fisheries, disaster response, health and the environment. It offers insights, lessons and recommendations – all from the point of view of individuals who believe that science contributes to a better world.

Select a topic and begin exploring...

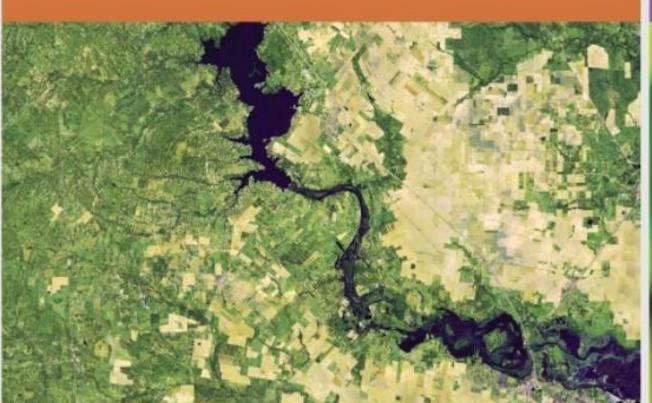
APPLIED EARTH SCIENCE: WHAT IT TAKES



USING EARTH SCIENCE TO TACKLE CRITICAL CHALLENGES



DELIVERING SUSTAINABLE APPLICATIONS

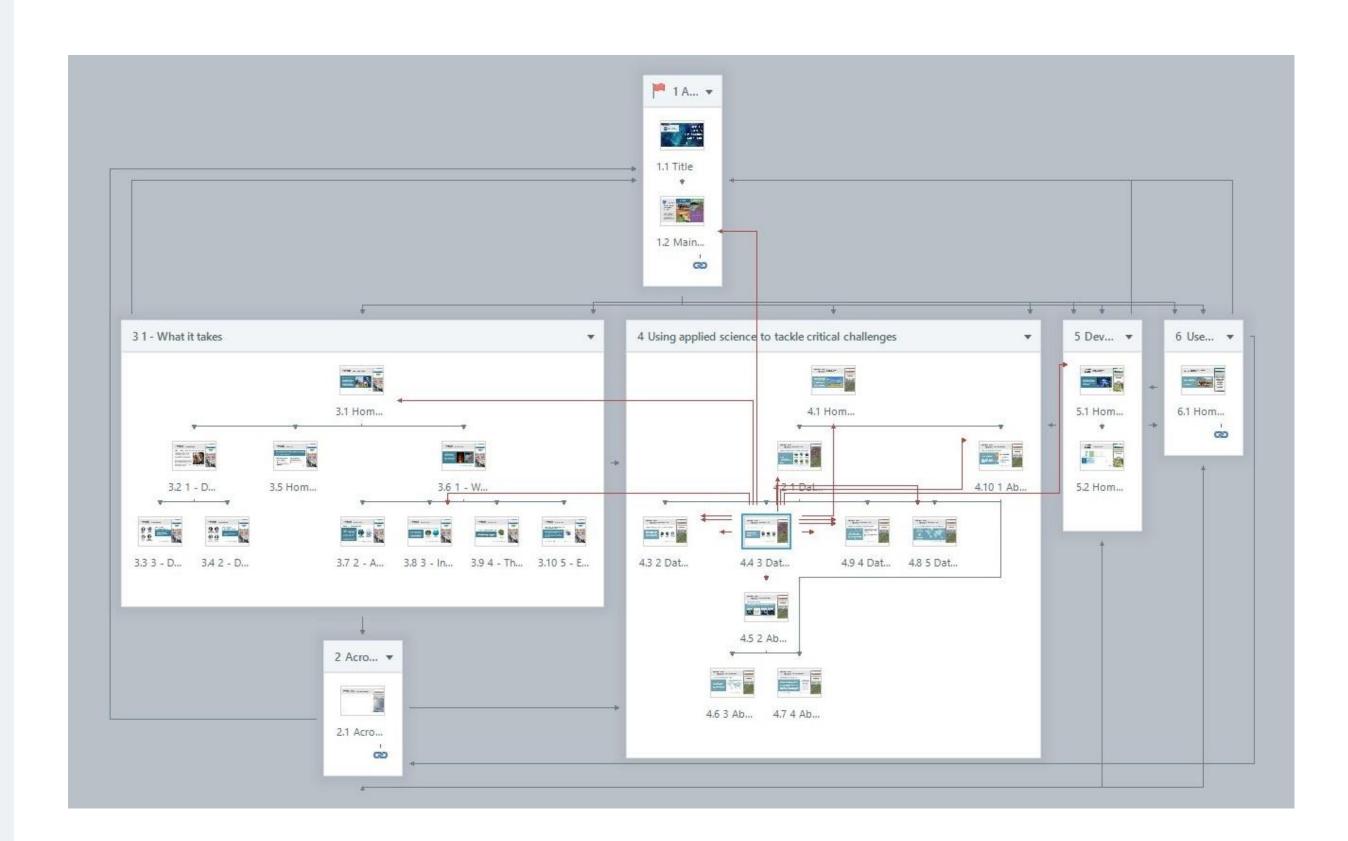


USE CASES





Creating engaging content through interactivity



The guidebook is developed using an e-learning authoring tool called Articulate Storyline. Some benefits to this approach include:

- Ability for users to choose their own path
- Built-in interactivities (e.g., rollovers, quizzes, soundbites)
- Graphics and animation
- Responsive full screen display
- Fast loading HTML5 output



Vision: guidebook catalyzes greater engagement in Applied Sciences

GLOSSARY | ACRONYMS

APPLIED SCIENCE: WHAT IT TAKES

Definitions of success

Success factors

Why applied science?

USING APPLIED SCIENCE TO TACKLE CRITICAL CHALLENGES

DELIVERING SUSTAINABLE

APPLICATIONS

USE CASES

APPLIED SCIENCE: WHAT IT TAKES

DEFINITIONS OF SUCCESS



Lead Scientist, Natural Capital
Project, Stanford University and
University of Minnesota



James Nelson
Professor of Civil and



Blake Schaeffer Research Scientist, U.S. Environmental Protection Agency Office of Research

Success is answering a question that somebody actually wants the answer to. That's often an iterative process because what you start out off with as what people think they might want to know, may not wind up being what is going to be most helpful in the end...So, success is the journey. And it's getting there together.

And finding something in the end that can change minds or change the way that we do things.

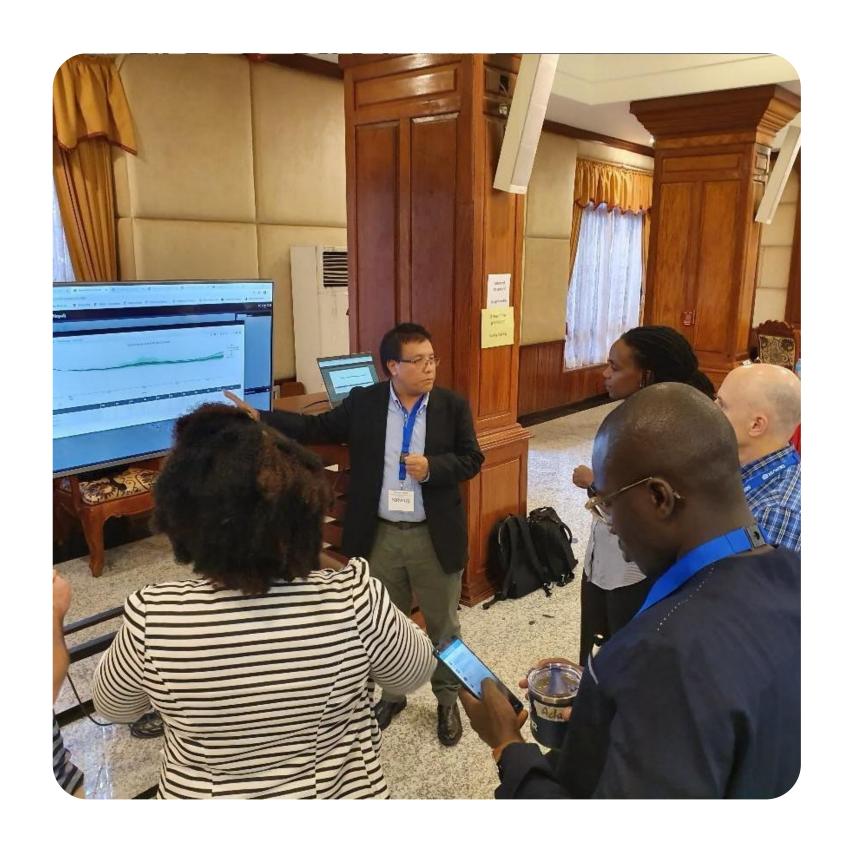
Click to listen

The plan is for the guidebook to be a focal point for learning, sharing and exchange on applied sciences applications. Possible activities may include:

- New cases studies and fresh content
- Annual lessons learned symposium
- Applied sciences community interaction



How you can get involved



- Share your suggestions, ideas and experience
- Volunteer for BETA testing (planned for November)

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